



**Arizona Secretary of State**  
**Engineering Change Orders (ECO) made to Certified Voting Systems**  
**Pursuant to A.R.S. § 16-442**

Updated 01/15/2020

Company	Voting System/System Component	Date of Previous Certification	Description of Changes Made To Voting System	ECO #	Date of Certification
Dominion Voting	GEMS 1.18.24 including BallotStation 4.6.4	06/15/2007	Changed the SSL & Root certificates to expire in 2027. No other source code modifications were made. To reflect this, the version numbers have changed to GEMS 1.18.24D and BallotStation 4.6.4D.	ECO to update SSL/Root Certificates	08/16/2013
ES&S	EVS 6.0.2.1 EVS 5.2.2.0 EVS 5.2.1.0 EVS 5.2.0.0 EVS 5.0.0.0	01/08/2018 01/08/2018 02/02/2016 12/17/2014 06/17/2013	Two ECOs to the EVS 6.0.2.1, EVS 5.2.2.0, EVS 5.2.1.0, EVS 5.2.0.0, and EVS 5.0.0.0 Voting Systems	1000, 1016	06/19/2019
ES&S	EVS 5.2.2.0 EVS 5.2.1.0 EVS 5.2.0.0 EVS 5.0.0.0	01/08/2018 02/02/2016 12/17/2014 06/17/2013	One ECO to the Freedom Vote Keypad from Open Elect version 2.0A voting system and four ECOs to the EVS 5.2.2.0, EVS 5.2.1.0, EVS 5.2.0.0 and EVS 5.0.0.0 Voting Systems	16979, 983, 996, 1004, 1005	04/04/2019
ES&S	EVS 5.2.2.0	02/02/2016	One ECO to the EVS 5.2.2.0 Voting System	950	01/08/2018
ES&S	EVS 5.2.1.0 EVS 5.2.0.0 EVS 5.0.0.0	02/02/2016 12/17/2014 06/17/2013	Seven ECOs to the EVS 5.2.1.0, EVS 5.2.0.0 and EVS 5.0.0.0 Voting Systems	2113, 2106, 1816, 930, 921, 924, 941	06/22/2017
ES&S	EVS 5.2.1.0	12/17/2014	Twelve ECOs to the EVS 5.2.1.0 Voting System	911, 917, 919, 921, 923, 1251, 1741, 1822 1835, 1880, 1948, 2018	02/18/2016
ES&S	EVS 5.2.0.0	12/17/2014	Ten baseline ECOs and five additional ECOs to the EVS 5.2.0.0 Voting System	901, 910, 912, 913, 1456, 1500, 1516, 1530, 1587, 1609, 899, 1401, 1451, 1481, 1499	12/17/2014
ES&S	GEMS 1.18.24 including BallotStation 4.6.4	06/15/2007	Update SSL Certificate and Root Certificate. The GEMS server (GEMS 1.18.24) and AccuVote hardware (TSx v. 4.6.4) have digital certificates that are validated during the upload and download of election data. The SSL certificate and root certificate have been updated and are set to expire in October 2030. The updated version of GEMS is 1.18.24.101 and the updated version of TSx is 4.6.4.103.	891	08/16/2013

This is a summary of the certified engineering change orders made to vote tabulating equipment that was previously certified by the Secretary of State. Copies of the actual certifications can be obtained by contacting the Secretary of State's office.



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ES&S	EVS 5.0.0.0 Voting System	06/17/2013	Fifteen ECOs to the EVS 5.0.0.0 Voting System	872, 873, 875, 876, 878, 881, 883, 884, 1029, 1160, 1266, 1281, 1346, 1351, 1388	06/17/2013
ES&S	AutoMARK and M100 with the Unity 3.0.1.1 Voting System	06/15/2007	Thirty-nine ECOs to the AutoMARK (1.1.2258) and eight ECOs to the M100 Precinct Tabulator (5.2.1.0)	On File	06/17/2013
ES&S	Model 650 with the Unity 3.0.1.1 Voting System	10/19/2011	Eleven ECOs to the M650 (2.1.0.0)	667, 669, 677, 689, 696, 716, 718, 731, 757, 827, 855	10/19/2011
Unisyn	OpenElect 1.3 Voting System	06/24/2014	Three baseline ECOs certified with the voting system and six additional ECOs to the OpenElect 1.3 Voting System.	16922, 1016, 1017, 1015, 1018, 16914, 16920, 16921 and IR000553	07/02/2015

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